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October 13, 2003

Public Employees' Retirement Board State of Montana

Dear Members of the Board:

Actuarial valuations are normally performed every two years, as of July 1st of each even-numbered year. We have performed actuarial valuations of the following retirement systems as of July 1, 2002:

- Public Employees' Retirement System
- Municipal Police Officers' Retirement System
- Game Wardens' and Peace Officers' Retirement System
- Sheriffs' Retirement System
- Judges' Retirement System
- Highway Patrol Officers' Retirement System
- Firefighters' Unified Retirement System
- Volunteer Firefighters' Compensation Act

Subsequent to the actuarial valuation of the Game Wardens' and Peace Officers' Retirement System (GWPORS), we analyzed the impact of the transfer of employees of the Department of Corrections from the Public Employees' Retirement System to the GWPORS. The employee turnover assumptions for the 2002 actuarial valuation of GWPORS were set prior to the completion of the transfers. PERA provided information to us on the average turnover rate of employees of the Department of Corrections. If the 2002 GWPORS actuarial valuation had been performed using the revised employee turnover assumptions described in our letter to PERA dated January 20, 2003, GWPORS would likely have had a small Actuarial Surplus.

The member, employer, and state contributions are set forth in statute. Our findings as described above indicate the projected income stream from the contributions set forth in statute will be sufficient to pay the Normal Costs and amortize the Unfunded Actuarial Liability, if any, as a level percentage of future payroll, for all Systems. The amortization periods for the systems with an Unfunded Actuarial Liability are as follows:

- Public Employees' Retirement System	0.1 years
- Municipal Police Officers' Retirement System	19.6 years
- Highway Patrol Officers' Retirement System	8.7 years
- Firefighters' Unified Retirement System	13.8 years
- Volunteer Firefighters' Compensation Act	21.0 years

In our opinion, each retirement system was being funded on an actuarially sound basis as of July 1, 2002, the date of the last actuarial valuations.



Public Employees' Retirement Board November 25, 2002 Page 2

In preparing the valuations, we relied upon the financial and membership data furnished by the System, and the Independent Auditor's Report prepared the Legislative Audit Division. Although we did not audit this data, we compared the data for this and the prior valuation and tested for reasonableness. Based on these tests, we believe the data to be sufficiently accurate for the purposes of our calculations.

Information as of June 30, 2002, presented in this Actuarial Section, including the following supporting tables, is based on information found in our actuarial valuation reports:

- Schedule of Active Member Valuation Data
- Solvency Test
- Summary of Actuarial (Gain) or Loss by Source
- Summary of Plan Provisions
- Summary of Actuarial Assumptions and Methods

In addition, data for the fiscal year ending June 30, 2002, contained in the Schedule of Funding Progress in the Financial Section, are based on information in our valuation reports.

The Retirement Board has sole authority to determine the actuarial assumptions and methods used for the actuarial valuations. The Board adopted all of the actuarial methods and assumptions used in the 2002 valuations.

The findings have been determined according to actuarial assumptions and methods that were chosen on the basis of recent experience of the system and of current expectations concerning future economic conditions. In our opinion, the assumptions used in the actuarial valuations are appropriate for purposes of the valuations, are internally consistent, and reflect reasonable expectations. The assumptions represent our best estimate of future conditions affecting the systems. Nevertheless, the emerging costs will vary from those presented in the reports to the extent that actual experience differs from that projected by the assumptions.

The actuarial valuation was prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the applicable Standards of Practice adopted by the Actuarial Standards Board of the American Academy of Actuaries. In addition, the assumptions and methods used meet the parameters set for disclosures by Governmental Accounting Standards Board Statement No. 25.

The undersigned is an independent actuary, a Fellow of the Society of Actuaries, a Member of the American Academy of Actuaries, an Enrolled Actuary, and experienced in performing valuations for large public employee retirement systems.

Respectfully submitted,

Signature on File

Mark O. Johnson, F.S.A., M.A.A.A., E.A. Consulting Actuary

Public Employees' Retirement Board

A Component Unit of the State of Montana

SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

BACKGROUND

An actuarial valuation of the plans was completed in 2002 by the actuary, Milliman U. S. A. The most recent experience study was completed in 2000. This experience study investigates the actuarial experience of each plan administered by the PERB. The actuarial methods and assumptions are described in this section. The methods and assumptions have been chosen by the Board, based on the actuary's recommendation. The recommendations were formed on the basis of recent experience of the plans and on current expectations as to future economic conditions.

The assumptions are intended to estimate the future experience of the plans and the members of the plans in areas which affect the projected benefit flow and anticipated investment earnings. Any variations in future experience from that expected from these assumptions will result in corresponding changes in the estimated cost of the plan's benefits.

RECORDS AND DATA

The data used in the valuation consists of financial information and records of age, service and income of contributing members, former contributing members and their survivors. All data supplied to the actuary by the MPERA was accepted for valuation purposes without audit.

ACTUARIAL COST METHOD

A fundamental principle in financing the Iabilities of a retirement program is that the cost of benefits should be related to when they are earned, rather than when they are paid. There are a number of methods in use for making the determination.

The funding method used in the valuations is the Entry Age Cost Method. Under this method, the actuarial present value of projected benefits for each individual member included in the valuation is allocated on a level basis over the earnings of the individual between entry age and assumed exit age. The portion of this actuarial present value allocated to a valuation year is called the Normal Cost. The portion of this actuarial present value not provided for at a valuation date by the actuarial present value of future Normal Cost is called the Actuarial Liability.

The excess of the Actuarial Liability over the Actuarial Value of Assets is called the Unfunded Actuarial Liability. If the Actuarial Value of Assets exceeds the Actuarial Liability, the difference is called the Actuarial Surplus.

ASSET VALUATION METHOD

Asset values were supplied by the PERB and were accepted without audit by the actuary. The Actuarial Value of Assets is the market value, adjusted by a four-year recognition of gains and losses.

INVESTMENT RETURN

The future investment earnings of the assets of the plans are assumed to accrue at a net annual rate of 8.00%, net of all administrative and investment-related expenses.

INTEREST ON MEMBER CONTRIBUTIONS

With the exception of VFCA, interest on member contributions at the time of the valuation was assumed to accrue at a net annual rate of 5.00%. The net annual rate was changed to 1.2% as of June 2003.

FUTURE SALARIES

Estimates of future salaries are based on two types of assumptions. Rates of increase in the general wage level of the membership are directly related to inflation, while individual salary changes due to promotion and longe vity, referred to as the merit scale, occur even in the absence of inflation. The assumed increase in future salaries due to general wage growth is 4.50% per year for all plans. The merit scale is based on years of service and is in addition to the wage growth. The merit scale is calculated independently for each plan based on the factors applicable to the plan. VFCA is excluded from this calculation because members are unpaid volunteers.

MORTALITY

The probabilities of mortality for Healthy Retirees, Beneficiaries and Non-Retired Members are based on 1994 Uninsured Pensioner Tables for males and females and adjusted for each plan as stated in the following table:

Healthy Retirees, Beneficiaries and Non-Retired Members

	<u>Males</u>	<u>Females</u>
PERS	0	-1
MPORS	+1	0
GWPORS	+1	0
SRS	+1	0
JRS	0	-1
HPORS	+1	0
FURS	+1	0
VFCA	0	-1

The probabilities of mortality for Disabled Retirees are based on the IRS Revenue Ruling 96-7 Males/Females Table and adjusted for each plan as stated below:

Disabled Retirees

	<u>Males</u>	<u>Females</u>
PERS	-1	+3
MPORS	+3	+2
GWPORS	+3	+2
SRS	+3	+2
JRS	-1	+3
HPORS	+3	+2
FURS	+3	+2
VFCA	-1	+3

SERVICE RETIREMENT

The assumed rates of service retirement used in the valuations are dependent upon age and years of service and differ between plans. The rates are based on the actual experience of the individual plans as determined in the 2000 experience study. Under all plans, vested, terminated members are assumed to retire when first eligible for an unreduced benefit.

DISABLEMENT

The assumed rates of disablement are dependent upon ages and differ between plans. It is further assumed that 10% of all disabilities are duty-related, that all disabilities are permanent and that no disabled member will recover and return to work.

OTHER TERMINATIONS OF MEMBERSHIP

The assumed rates of termination, other than for retirement, death, or disability, are calculated individually for each plan. The JRS does not assume termination for any other reason than retirement, death or disability. The rates for the VFCA are based on a published table

referred to as T-8, which reasonably represents the expected turnover rate of the volunteer firefighters other than for retirement or death.

TERMINATING MEMBERS ELECTING A REFUND

It is assumed that all terminating members that are non-vested will receive an immediate withdrawal of their member contributions with interest. The probability of a terminating member electing a refund of the member account balance is based on age and different for each plan as described in the actuary valuation. These assumptions do not apply to the JRS or VFCA.

IMPACT OF THE CHANGE IN BENEFITS

The 2001 legislative benefit enhancements impact the overall valuation of the plans. The table below shows the funding of the plans in 2000 as determined by the previous actuarial valuation. The 2002 valuations reflect what the valuation would have been under the previous benefits and the actual funding of the plans using the current benefits.

	2002 Actuar	ial Valuation	2000
	Revised	Previous	Actuarial
	<u>Benefits</u>	<u>Benefits</u>	<u>Valuation</u>
PERS	\$ 983	\$ (487,480)	\$ (569,940)
MPORS	83,311	54,635	51,283
GWPORS	379	(9,625)	(9,044)
SRS	(16,965)	(35,870)	(38,502)
JRS	(14,081)	(15,028)	(14,678)
HPORS	13,116	247	(1,413)
FURS	61,554	39,961	38,837
VFCA	7,554	(1,374)	(1,017)

Public Employees' Retirement Board

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Schedule of Active Member Valuation Data

	Valuation	Number	Nbr	Covered	Average	% Pay
System	Date	Members	ERs	Payroll	Annual Pay	Increase
PERS-DBRP	June 30, 1998	28,091	499	\$ 660,579,464	\$ 23,516	2.62%
	June 30, 1999	28,662	504	687,999,902	24,004	2.08%
	June 30, 2000	29,500	506	725,692,382	24,600	2.48%
	June 30, 2001	29,641	510	771,477,410	26,027	5.80%
	June 30, 2002	29,808	515	808,747,026	27,132	4.24%
	June 30, 2003	28,604	521	848,894,150	29,677	9.38%
MPORS	June 30, 1998	545	20	17,873,196	32,795	4.90%
	June 30, 1999	554	21	18,952,664	34,211	4.32%
	June 30, 2000	571	21	20,251,728	35,467	3.67%
	June 30, 2001	580	21	20,898,510	36,032	1.59%
	June 30, 2002	585	22	22,228,818	37,998	5.46%
	June 30, 2003	601	22	23,289,318	38,751	1.98%
GWPORS	June 30, 1998	327	8	7,839,084	23,973	-25.84%
	June 30, 1999	388	8	9,906,688	25,533	6.51%
	June 30, 2000	494	8	11,874,942	24,038	-5.85%
	June 30, 2001	521	8	14,881,202	28,563	18.82%
	June 30, 2002	609	8	17,150,523	28,162	-1.40%
	June 30, 2003	664	8	20,034,988	30,173	7.14%
SRS	June 30, 1998	611	56	20,126,942	32,941	3.42%
	June 30, 1999	617	56	20,920,496	33,907	2.93%
	June 30, 2000	611	56	21,559,395	35,285	4.07%
	June 30, 2001	623	56	22,647,766	36,353	3.02%
	June 30, 2002	642	56	24,521,275	38,195	5.07%
	June 30, 2003	661	56	25,540,317	38,639	1.16%

	Valuation	Number	Nbr	Covered	A	verage	% Pay
System	Date	Members	ERs	Payroll	An	nual Pay	Increase
JRS	June 30, 1998	44	1	\$ 3,143,815	\$	71,450	6.46%
	June 30, 1999	44	1	3,187,891		72,452	1.40%
	June 30, 2000	46	1	3,483,363		75,725	4.52%
	June 30, 2001	48	1	3,655,682		76,160	0.57%
	June 30, 2002	48	1	3,999,689		83,327	9.41%
	June 30, 2003	49	1	4,077,339		83,211	-0.14%
HPORS	June 30, 1998	185	1	6,201,494		33,522	10.82%
	June 30, 1999	186	1	6,313,412		33,943	1.26%
	June 30, 2000	190	1	6,951,916		36,589	7.80%
	June 30, 2001	190	1	7,351,774		38,694	5.75%
	June 30, 2002	194	1	7,536,469		38,848	0.40%
	June 30, 2003	201	1	7,808,953		38,851	0.01%
FURS	June 30, 1998	426	14	15,103,774		35,455	2.69%
	June 30, 1999	426	14	15,756,583		36,987	4.32%
	June 30, 2000	419	14	16,548,691		39,496	6.78%
	June 30, 2001	425	14	16,722,339		39,347	-0.38%
	June 30, 2002	437	16	17,952,794		41,082	4.41%
	June 30, 2003	441	16	18,608,166		42,195	2.71%
VFCA	June 30,1998	2,537					
	June 30,1999	2,564					
	June 30, 2000	2,502					
	June 30, 2001	2,524					
	June 30, 2002	2,609					
	June 30, 2003	2,629					

Covered payroll is not applicable. Members are unpaid volunteers and do not contribute to the fund.

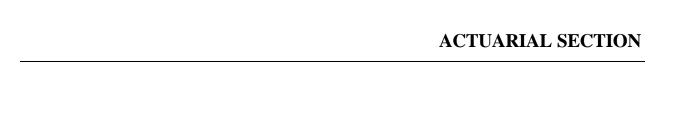
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Schedule of Active Member Composition

	PERS-DBRP	MPORS	GWPORS	SRS	JRS	HPORS	FURS	VFCA 1
Average Age	46.2	37.6	39.0	40.7	53.7	38.9	40.1	43.5
Average Service	9.1	9.4	4.8	8.9	8.6	9.8	12.4	8.6
Average Salary	\$ 27,346	\$ 37,870	\$ 30,102	\$ 38,111	\$ 83,327	\$ 37,518	\$ 39,931	-
Under Age 25								
Number Members	656	18	28	17	-	3	9	104
Average Salary	\$ 19,272	28,987	24,536	31,352	-	32,165	29,136	-
Ages 25-29								
Number Members	1,496	77	78	70	-	18	51	181
Average Salary	\$ 23,444	32,469	27,588	34,313	-	31,910	33,652	-
Ages 30-34								
Number Members	2,098	143	105	116	-	44	78	227
Average Salary	\$ 26,517	34,377	27,942	36,099	-	33,738	35,506	-
Ages 35-39								
Number Members	3,184	125	131	106	1	46	72	434
Average Salary	\$ 26,150	35,836	30,264	36,225	82,407	38,748	37,797	-
Ages 40-44								
Number Members	4,699	100	93	110	4	37	85	460
Average Salary	\$ 27,418	41,808	32,190	38,596	82,407	37,887	40,054	-
Ages 45-49								
Number Members	5,700	65	74	86	4	21	74	441
Average Salary	\$ 28,404	44,349	32,808	41,963	84,095	41,791	44,648	=
Ages 50-54								
Number Members	5,538	44	61	76	17	19	46	373
Average Salary	\$ 29,374	45,162	31,155	41,923	83,201	42,491	48,509	-
Ages 55-59								
Number Members	3,808	12	30	40	16	5	18	205
Average Salary	\$ 28,641	53,307	32,750	40,654	84,186	42,055	47,252	=
Ages 60-64								
Number Members	1,938	1	9	17	4	1	4	118
Average Salary	\$ 26,745	46,400	32,269	39,165	81,265	43,785	47,526	-
Ages 66-69								
Number Members	478	=	=	4	1	-	-	47
Average Salary	\$ 21,240	-	-	43,133	82,407	-	-	-
Age 70 & Over								
Number Members	213	-	-	-	1	-	-	19
Average Salary	\$ 16,718	-	-	-	82,407	-	-	-

¹Average Salary is not applicable to VFCA, members are unpaid volunteers.



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Public Employees' Retirement Board

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Schedule of Retirants and Beneficiaries Added to and Removed from Rolls

				End of		Average	
	Year	Number	Number	Year		Annual	% Benefit
System	Ended	Added	Removed	Total	Benefits ¹	Benefit ²	Increase
PERS-DBRP	June 30, 1998	701	363	12,924	\$87,379,510	\$ 6,742	3.18%
	June 30, 1999	680	366	13,238	91,521,090	7,103	5.35%
	June 30, 2000	742	408	13,572	96,015,987	7,159	0.79%
	June 30, 2001	649	423	13,798	101,546,131	7,505	4.83%
	June 30, 2002	777	459	14,116	114,662,817	8,453	12.63%
	June 30, 2003	735	450	14,401	122,203,686	8,672	2.59%
MDODO	h 00 4000	07	7	500	7.007.404	44.045	0.000/
MPORS	June 30, 1998	27	7	530	7,697,161	14,945	3.62%
	June 30, 1999	20	10	540	8,278,547	15,603	4.40%
	June 30, 2000	14	13	541	8,653,105	16,093	3.14%
	June 30, 2001	22	10	553	9,124,506	17,414	8.21%
	June 30, 2002	14	13	554	9,844,541	18,045	3.62%
	June 30, 2003	19	8	565	10,425,561	18,866	4.55%
GWPORS	June 30, 1998	2	1	78	1,123,020	14,360	-0.17%
	June 30, 1999	2	0	80	1,153,214	14,777	2.90%
	June 30, 2000	2	0	82	1,210,991	15,097	2.17%
	June 30, 2001	0	3	79	1,235,308	15,566	3.11%
	June 30, 2002	3	3	79	1,230,427	15,828	1.69%
	June 30, 2003	4	1	82	1,316,309	16,955	7.12%
SRS	June 30, 1998	25	0	175	1,742,696	10,799	11.98%
	June 30, 1999	41	3	213	2,364,489	12,318	14.07%
	June 30, 2000	31	2	242	2,929,550	12,733	3.37%
	June 30, 2001	21	1	262	3,293,535	13,305	4.49%
	June 30, 2002	23	5	280	3,699,727	13,959	4.49%
		23 29	3	306		15,959 15,059	7.89%
	June 30, 2003	29	3	300	4,307,060	15,059	7.09%

¹Includes active death benefit payments.

²Based on June monthly benefit totals.

System	Year Ended	Number Added	Number Removed	End of Year Total	Benefits ¹	Average Annual Benefit ²	% Benefit
JRS	June 30, 1998	4	1	50	\$1,304,458	\$ 26,361	3.65%
	June 30, 1999	1	3	48	1,319,084	31,934	21.14%
	June 30, 2000	0	1	47	1,379,363	29,153	-8.71%
	June 30, 2001	8	4	51	1,430,623	28,771	-1.31%
	June 30, 2002	0	0	51	1,566,110	30,704	6.72%
	June 30, 2003	0	1	50	1,551,557	31,007	0.99%
HPORS	June 30, 1998	9	1	244	3,771,004	14,680	4.09%
	June 30, 1999	13	3	254	4,085,281	15,444	5.20%
	June 30, 2000	11	4	261	4,396,044	16,227	5.07%
	June 30, 2001	5	6	260	4,624,420	16,920	4.27%
	June 30, 2002	7	2	265	4,861,329	17,677	4.48%
	June 30, 2003	6	4	267	5,159,762	18,669	5.61%
FURS	l 00 4000	20	40	450	0.400.050	44.750	F 700/
FUKS	June 30, 1998	30 20	12 13	450 457	6,493,959	14,759	5.76% 6.24%
	June 30, 1999 June 30, 2000	23	12	457 468	6,995,439 7,517,677	15,680 16,402	4.60%
	•					•	
	June 30, 2001	21	15	474	8,017,761	17,072	4.09%
	June 30, 2002	17	10	481	8,507,526	18,203	6.63%
	June 30, 2003	12	13	480	9,080,598	19,132	5.10%
VFCA	June 30, 1998	52	30	761	772,742	1,022	0.11%
	June 30, 1999	49	18	792	813,527	1,025	0.30%
	June 30, 2000	72	25	839	843,649	1,029	0.41%
	June 30, 2001	54	31	862	881,855	1,032	0.26%
	June 30, 2002	68	46	884	1,410,768	1,542	49.47%
	June 30, 2003	62	25	921	1,411,936	1,551	0.58%
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Public Employees' Retirement Board

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Solvency Test

(in thousands)

			ate	Accrued Lia	bili	ties for (3)				
		(1)		(2)		Active		Portio	n of Acc	rued
		Active	F	Retirants		Members			ities Cov	
	Valuation	Member	•	and		R Financed	Reported		by Reported Ass	
System	Date	Accounts	Be	neficiaries	\	portion)	Assets	(1)	(2)	(3)
						,,		\ - \ \ \ - \ \ - \ \ - \ \ \ - \		(-)
PERS-DBRP	06/30/98	\$ 360,422	\$	949,365	\$	988,915	\$ 2,113,314	100%	100%	81%
	06/30/00	572,536		1,049,012		651,859	2,843,347	100	100	187
	06/30/02	645,403		1,366,634		1,065,727	3,076,781	100	100	100
		·								
MPORS	06/30/98	11,397		110,650		51,595	94,908	100	76	_
WII OKS	06/30/90	18,465		118,855		43,789	129,826	100	94	_
	06/30/00	20,854		144,055		61,918	143,516	100	85	-
	00/30/02	20,034		144,055		01,910	143,516	100	65	-
GWPORS	06/30/98	2,770		11,727		11,387	23,190	100	100	76
	06/30/00	5,851		12,313		5,758	32,966	100	100	257
	06/30/02	8,857		14,005		16,247	38,730	100	100	98
SRS	06/30/98	11,686		23,521		45,860	92,160	100	100	124
	06/30/00	17,261		37,124		33,451	126,338	100	100	215
	06/30/02	20,108		55,458		46,059	138,590	100	100	137

⁽¹⁾ Prior to 2000, "Active Member Accounts" included Regular Contributions without interest for active and inactive members. Beginning in 2000, "Active Member Accounts" includes Regular and Additional Contributions with interest, and excludes all accounts of inactive members.

		Aggreg	ate Accrued Lia	bilities for				
		(1)	(2)	(3)				
				Active		Portio	n of Acc	crued
		Active	Retirants	Members		Liabili	ties Cov	ered/
	Valuation	Member	and	(ER Financed	Reported	by Reported Asset		sset
System	Date	Accounts	Beneficiaries	portion)	Assets	(1)	(2)	(3)
JRS	06/30/98	\$ 1,464	\$ 19,855	\$ 9,435	\$ 31,646	100%	100%	109%
	06/30/00	2,573	17,204	7,588	42,043	100	100	293
	06/30/02	2,708	18,977	9,197	44,963	100	100	253
HPORS	06/30/98	4,487	57,095	17,146	59,531	100	96	-
	06/30/00	6,174	57,422	12,801	77,810	100	100	111
	06/30/02	6,797	68,800	19,253	81,734	100	100	32
FURS	06/30/98	9,394	96,924	62,718	89,988	100	83	-
	06/30/00	16,083	100,260	45,986	123,492	100	100	16
	06/30/02	18,297	121,922	57,727	136,392	100	97	-
VFCA	06/30/98		9,143	9,210	13,941		100	52
	06/30/00		9,614	7,138	17,769		100	114
	06/30/02		15,631	11,177	19,254		100	32
	Active mem	ber accounts	are not applicab	le. Members are	e unpaid volunte	eers.		
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Public Employees' Retirement Board

A Component Unit of the State of Montana

Summary of Actuarial (Gain) or Loss by Source (in thousands)

PERS-DBRP	
Investment (Gain) or Loss	\$ 226,733
Demographic (Gain) or Loss 2001 Benefit Enhancements	16,061 488,462
Total Actuarial (Gain) or Loss	\$ 731,256

MPORS	
Investment (Gain) or Loss	\$ 11,474
Demographic (Gain) or Loss	(2,642)
2001 Benefit Enhancements	28,676
Total Actuarial (Gain) or Loss	\$ 37,508

GWPORS	
Investment (Gain) or Loss	\$ 3,048
Demographic (Gain) or Loss	332
2001 Benefit Enhancements	 10,005
Total Actuarial (Gain) or Loss	\$ 13,385

SRS	
Investment (Gain) or Loss	\$ 10,502
Demographic (Gain) or Loss	670
2001 Benefit Enhancements	 18,905
Total Actuarial (Gain) or Loss	\$ 30,077

JRS	
Investment (Gain) or Loss	\$ 3,552
Demographic (Gain) or Loss	(548)
2001 Benefit Enhancements	947
Total Actuarial (Gain) or Loss	\$ 3,951

HPORS		
Investment (Gain) or Loss	\$	6,593
Demographic (Gain) or Loss		717
2001 Benefit Enhancements	_	12,86 <u>9</u>
Total Actuarial (Gain) or Loss	\$	20,179

Public Employees' Retirement Board

A Component Unit of the State of Montana

Summary of Actuarial (Gain) or Loss by Source (cont)

(in thousands)

FURS	
Investment (Gain) or Loss	\$ 10,879
Demographic (Gain) or Loss	(3,086)
2001 Benefit Enhancements	 21,593
Total Actuarial (Gain) or Loss	\$ 29,386

VFCA	
Investment (Gain) or Loss	\$ 1,294
Demographic (Gain) or Loss	208
2001 Benefit Enhancements	 8,927
Total Actuarial (Gain) or Loss	\$ 10,429



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Public Employees' Retirement Board

A Component Unit of the State of Montana

Summary of Defined Benefit Plan Provisions

The summary of plan provisions as of June 30, 2002, is presented separately for each plan.

Public Employees' Retirement System-DBRP

Service Retirement Eligibility: Age 65 regardless of membership service, or

Age 60 and 5 years of membership service, or 30 years of membership service regardless of age

Benefit: Years of service credit, multiplied by highest average

compensation (highest 36 consecutive months), multiplied by 1/56th if membership service at

retirement is less than 25 years, or multiplied by 1/50th if membership service at retirement is at least 25 years

Normal Form: Monthly benefit for the life of the member, with a

death benefit equal to the remaining balance of the

member's contribution account

Early Retirement Eligibility: Age 50 and 5 years of membership service, or

25 years of membership service regardless of age

Benefit: Actuarial equivalent of the accrued benefit based

on retirement at age 60 or 30 years of membership

service

Disability Retirement Eligibility: 5 years of membership service

Benefit: If hired on or before February 24, 1991, the greater

of (a) and (b) below:

a) Years of service credit, multiplied by highest average compensation, multiplied by 90% of 1/56th (1/50th if 25 or more years of membership service),

or

(b) Highest average compensation multiplied by 25%

If hired after February 24, 1991:

(a) Years of service credit, multiplied by highest average compensation, multiplied by 1/56th (1/50th if 25

or more years of membership service)

Death before Retirement Eligibility: Prior to 5 years of membership service

> Benefit: The sum of (a) and (b) below:

> > (a) Return of member contributions with interest, (b) Lump sum payment of one month's salary

up to a maximum of six months' salary

Eligibility: 5 years of membership service

Benefit: Either the sum of (a) and (b), or (c) below:

(a) Return of member contributions with interest,

and

(b) Lump sum payment of one month's salary up to a maximum of six months' salary, or

(c) Actuarial equivalent of the accrued benefit at

the time of death of the member

Termination Benefit Eligibility: Prior to 5 years of membership service

> Return of member contributions with interest Benefit:

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with interest.

(b) Actuarial equivalent of the accrued benefit

based on a retirement age of 60

Eligibility: **Benefit Adjustments** Retired members and beneficiaries beginning

one year after retirement

Benefit: An annual adjustment (GABA) of 3.0%

Contributions Members: 6.90% of members' compensation

> Employers: 6.90% of employees' PERS covered-payroll

> > (offset by 0.10% of members' compensation paid

by the State for local government and school

district employers)

Municipal Police Officers' Retirement System

Service Retirement Eligibility: 20 years of membership service regardless of age

5 years of membership service, and age 50

Benefit: Years of service credit, multiplied by

2.5%, multiplied by

(a) if hired before July 1, 1977:

Average monthly compensation during final year of

service, or

(b) if hired on or after July 1, 1977:

Average monthly compensation (for last consecutive

36 months)

Normal Form: Monthly benefit for the life of the member, with full

benefits continuing to the surviving spouse or dependent children upon the death of the member

Disability Retirement Eligibility: Immediate

Benefit: If hired before July 1, 1977:

Minimum of 50% of base salary

If hired on or after July 1, 1977:

Minimum of 50% of final average compensation

Death before Retirement Eligibility: Immediate

Benefit: If hired before July 1, 1977:

Minimum of 50% of base salary

If hired on or after July 1, 1977:

Minimum of 50% of final average compensation

Termination Benefit Eligibility: Prior to 5 years of membership service

Benefit: Return of member contributions with interest

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with interest, or

(b) Accrued benefit at age 50

Benefit Adjustments Eligibility: Retired members and beneficiaries

Benefit: Either (a) or (b) below:

(a) An annual adjustment (GABA) of 3.0%, commencing one year after retirement for members hired on or after July 1, 1997, or if elected by

the member, or

(b) 50% of the salary of a newly confirmed police officer in the city in which the member was em-

ployed

Contributions Members: Either (a), (b), (c), (d), or (e) below:

(a) If hired on or prior to June 30, 1975: 5.80% of

member's compensation, or

(b) If hired after June 30, 1975 and prior to July 1,

1979: 7.00% or

(c) If hired after June 30, 1979 and prior to July 1,

1997: 8.50%, or

(d) If hired on or after July 1, 1997: 9%, or

(e) For members electing the GABA: 9%

Employers: 14.41% of members' compensation

State: 29.37% of members' compensation

Game Wardens' and Peace Officers' Retirement System

Service Retirement Eligibility: Age 50 and 20 years of membership service

Benefit: Years of service credit, multiplied by

highest average compensation, multiplied by

2.50%

Normal Form: Monthly benefit for the life of the member, with a

death benefit equal to the remaining balance of the

member's contribution account

Disability Retirement Eligibility: 5 years of membership service, and service

disablement

Benefit: Minimum of 50% of highest average

compensation

Eligibility: Non-service disablement

Benefit: Actuarial equivalent of accrued benefit based on a

retirement age of 50

Death before Retirement Eligibility: Service death

Benefit: 50% of highest average compensation.

If the member has more than 25 years of service credit, 2.0% of highest average compensation

multiplied by years of service credit

Eligibility: Non-service death

Benefit: Actuarial equivalent of accrued benefit based on

a retirement age of 55

Termination Benefit Eligibility: Prior to 5 years of membership service

Benefit: Return of member contributions with interest

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with

interest, or

(b) Accrued benefit at age 55

Benefit Adjustments Eligibility: Retired members and beneficiaries beginning

one year after retirement

Benefit: An annual adjustment (GABA) of 3.0%

Contributions Members: 10.56% of members' compensation

Employers: 9.00% of members' compensation

Sheriffs' Retirement System

Service Retirement Eligibility: 20 years of membership service regardless of age

Benefit: Years of service credit, multiplied by

highest average compensation, multiplied by

2.50%

Normal Form: Monthly benefit for the life of the member, with a

death benefit equal to the remaining balance of the

member's contribution account

Early Retirement Eligibility: 5 years of membership service and attainment of

age 50

Benefit: Actuarial equivalent of the accrued benefit based

on retirement at the earlier of completing 20 years

of membership service, or age 60

Disability Retirement Eligibility: Service disablement

Benefit: Minimum of 50% of highest average

compensation

Eligibility: Non-service disablement

Benefit: Actuarial equivalent of accrued benefit based on a

retirement age after completing 20 years of

membership service or age 60

Death before Retirement Eligibility: Service death

Benefit: 50% of highest average compensation

Eligibility: Non-service death

Benefit: Actuarial equivalent of accrued benefit based on

a retirement age of 65, or completing 20 years of

service credit

Termination Benefit Eligibility: Prior to 5 years of membership service

Bene fit: Return of member contributions with interest

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with interest or

(b) Actuarial equivalent of the accrued benefit based on 20 years of membership service or a retirement age 60; commencing no sooner than the first day of the month following the

member's 50th birthday

Benefit Adjustments Eligibility: Retired members and beneficiaries beginning

one year after retirement

Benefit: An annual adjustment (GABA) of 3.0%

Contributions Members: 9.245% of members' compensation

Employers: 9.535% of members' compensation

Judges' Retirement System

Service Retirement Eligibility: Age 60 and 5 years of membership service

Benefit: (1) If hired before July 1, 1997, the sum of (a) and (b)

below:

(a) Years of service credit (up to 15), multiplied by current salary, multiplied by 3-1/3%, plus

(b) Years of service credit (over 15), multiplied by

current salary, multiplied by 1.785%

(2) If hired on or after July 1, 1997 or electing GABA:

(a) Same formula as above, substituting highest av-

erage compensation for current salary

Normal Form: For non-GABA members - the monthly benefit for the

life of the member, with a death benefit equal to the present value of the benefit at retirement, less the sum

of all payments made to the date of death

For GABA members - monthly benefit for the life of the member, with a death benefit equal to the remaining

balance of the member's contribution account

Disability Retirement Eligibility: Service disablement

Benefit: For non-GABA members – 50% of current salary

For GABA members – 50% of highest average

compensation

Eligibility: Non-service disablement

Benefit: Actuarial equivalent of accrued benefit based on a

retirement age of 60

Death before Retirement Eligibility: Service death

Benefit: Accrued benefit commencing at time of death

Eligibility: Non-service death

Benefit: Actuarial equivalent of accrued benefit based on

a retirement age of 60

Termination Benefit Eligibility: Prior to 5 years of membership service

Benefit: Return of member contributions with interest

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with interest,

or

(b) Actuarial equivalent of the accrued benefit

based on a retirement age of 60

Benefit Adjustments Eligibility: Retired members and beneficiaries

Benefit: Either (a) or (b) below, as elected:

(a) An annual adjustment (GABA) of 3.0%, commencing one year after retirement for members hired on or after July 1, 1997, or if elected by

the member, or

(b) The annual increase in compensation to active

members

Contributions Members: 7.00% of members' compensation

Employers: 25.81% of members' compensation

Highway Patrol Officers' Retirement System

Service Retirement Eligibility: 20 years of membership service regardless of age

Benefit: Years of service credit, multiplied by

highest average compensation, multiplied by

2.50%

Normal Form: Monthly benefit for the life of the member, with full

benefits continuing to the surviving spouse or dependent children upon the death of the member

Disability Retirement Eligibility: Service disablement

Benefit: Minimum of 50% of highest average compensation

Eligibility: Non-service disablement

Benefit: Actuarial equivalent of accrued benefit based on a

retirement age of 60

Death before Retirement Eligibility: Service death

Benefit: 50% of highest average compensation, less

benefits paid from workers' compensation

Eligibility: Non-service death

Benefit: Actuarial equivalent of accrued benefit based on

a retirement age of 60

Termination Benefit Eligibility: Prior to 5 years of membership service

Benefit: Return of member contributions with interest

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with interest, or

(b) Actuarial equivalent of the accrued benefit based

on a retirement age of 60

Benefit Adjustments Eligibility: Retired members and beneficiaries

Benefit: Either (a) or (b) below, as elected:

(a) An annual adjustment (GABA) of 3.0%, com-

mencing one year after retirement, or

(b) 2% per year of service of the base salary of a

probation officer, but not to exceed an increase

of 5% per year

Lump Sum: For members retired prior to July 1, 1991, a lump

sum payment limited to the increase in the

Consumer Price Index

Contributions Members: Either (a) or (b) below:

(a) 9.00% of members' compensation, or

(b) 9.05% for members electing the GABA

Employers: 36.33% of members' compensation

Firefighters' Unified Retirement System

Service Retirement Eligibility: 20 years of membership service regardless of age

Benefit: If hired on or after June 30, 1981, and those

electing GABA, years of service credit, multiplied by final average compensation, multiplied by

2.50%

If hired before June 30, 1981, and those not

electing GABA – the greater of:

(a) 2.5% of final average compensation, or

(b) i. If less than 20 years of membership service, 2% of final average compensation,

ii. If greater than 20 years of membership service, 50% of final average compensation, plus years of service in excess of 20, multiplied by final average compensation, multi-

plied by 2.00%

Normal Form: Monthly benefit for the life of the member, with full

benefits continuing to the surviving spouse or dependent children upon the death of the member

Disability Retirement Benefit: (a) If less than 20 years of membership service, 50%

of final average compensation

(b) If greater than 20 years of membership service, 2.5% of final average compensation for each year

of service credit

Death before Retirement Benefit: (a) If less than 20 years of membership service, 50%

of final average compensation

(b) If greater than 20 years of membership service, 2.5% of final average compensation for each year

of service credit

Termination Benefit Eligibility: Prior to 5 years of membership service

Benefit: Return of member contributions with interest

Eligibility: 5 years of membership service

Benefit: Either (a) or (b) below:

(a) Return of member contributions with interest,

or

(b) Accrued benefit at age 50

Benefit Adjustments Eligibility: Retired members and beneficiaries

Benefit: Greater of (a) or (b) below:

(a) An annual adjustment (GABA) of 3.0% commencing one year after retirement for members hired on or after July 1, 1997, or if elected by

the member, or

(b) members with at least 10 years of service and who did not elect GABA - 50% of the salary of

a newly confirmed firefighter in the city in

which the member was employed

Contributions Members: Either (a) or (b) below:

(a) 9.50% of members' compensation, or

(b) 10.70% for members hired after July 1, 1997 or

electing the GABA

Employers: 14.36% of members' compensation

State: 32.61% of members' compensation

Volunteer Firefighters' Compensation Act

Service Retirement Eligibility: Age 55 and 20 years of service (full benefit), or

Age 60 and 10 years of service (partial benefit)

Benefit: \$7.50 per year of service, with a maximum benefit of

\$225 per month

Normal Form: Monthly benefit for the life of the member, with no

survivorship benefits

Disability Retirement Eligibility: Service disability

Benefit: \$7.50 per year of service, with a minimum of \$75 and

a maximum of \$225 per month

Death before Retirement Eligibility: 10 years of service

Benefit: \$7.50 per year of service. Recipient may receive a

lump sum payment or a monthly benefit until a total

of 40 monthly benefits have been paid

Termination Benefit Eligibility: Accrued benefit at retirement age of 60

Contributions Members: None

State: 5% of premium taxes collected